

## Adaptive antenna device operating in different algorithms

**Patent number:** CN1308423  
**Publication date:** 2001-08-15  
**Inventor:** KENICHI TAKAI (JP)  
**Applicant:** NIPPON ELECTRIC CO (JP)  
**Classification:**  
 - international: **H01Q1/24; H01Q3/26; H04Q7/36; H01Q1/24; H01Q3/26; H04Q7/36; (IPC1-7): H04B7/26; H01Q3/26**  
 - european: **H01Q1/24A3; H01Q3/26C; H01Q3/26C1**  
**Application number:** CN20010103729 20010212  
**Priority number(s):** JP20000033882 20000210

Also published as:

EP1124281 (A2)  
 US6509865 (B2)  
 US2001020918 (A1)  
 JP2001223516 (A)  
 EP1124281 (A3)

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Abstract not available for CN1308423

Abstract of corresponding document: **EP1124281**

In an adaptive antenna device having directivity pattern generators operable in accordance with different algorithms, respectively, in a baseband modem, beam steering processing, null steering processing, and estimating processing of an arrival direction are executed in parallel to one another. Parameters resulting from the beam and the null steering processing are controlled by processing results of the estimating processing and are weighted and combined to individually generate directivity patterns based on the different algorithms.

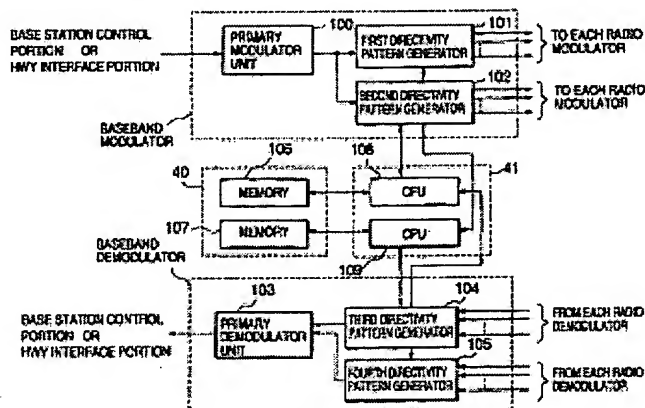


FIG. 5

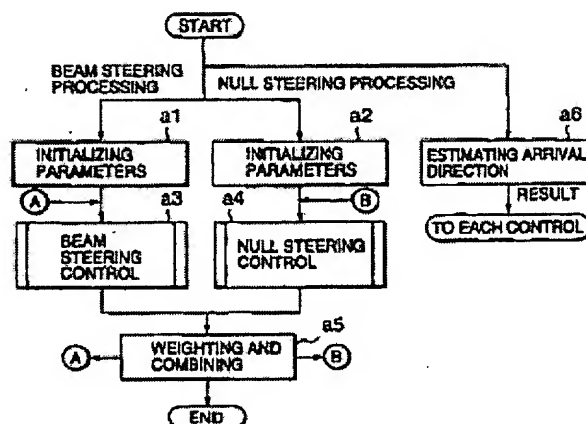


FIG. 12

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